

| L Number | Hits | Search Text | DB | Time stamp |
|-------------|-------|--|---|---------------------|
| 1 | 1 | ("6720290").PN. | USPAT; US-PGPUB | 2004/08/23 13:32 |
| 2 | 32 | ("4453596" "4480696" "4544037" "4554082" "4591447" "4627495" "4756367" "4796702" "4883122" "4913237" "4993491" "4995463" "5014788" "5048328" "5147111" "5229017" "5360558" "5390741" "5402847" "5417286" "5419396" "5424285" "5470823" "5494108" "5501279" "5566760" "5575335" "5669444" "5711376" "5769165" "5853224" "5865248" "2003/0008781").PN. | USPAT | 2004/08/23 13:31 |
| 3 | 0 | 6720290.URPN. | USPAT | 2004/08/23 13:31 |
| 4 | 841 | fractur\$3 SAME coal | USPAT; US-PGPUB | 2004/08/23 13:33 |
| 5 | 20 | ((("4453596" "4480696" "4544037" "4554082" "4591447" "4627495" "4756367" "4796702" "4883122" "4913237" "4993491" "4995463" "5014788" "5048328" "5147111" "5229017" "5360558" "5390741" "5402847" "5417286" "5419396" "5424285" "5470823" "5494108" "5501279" "5566760" "5575335" "5669444" "5711376" "5769165" "5853224" "5865248" "2003/0008781").PN.) and (fractur\$3 SAME coal) | USPAT; US-PGPUB | 2004/08/23 13:32 |
| 6 | 1044 | fractur\$3 SAME coal | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/23 14:23 |
| 7 | 29902 | (surfactant\$ or surface ADJ active ADJ agent\$1) SAME (amphoteric or zwitterionic) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/23 13:54 |
| 8 | 28599 | (surfactant\$ or surface ADJ active ADJ agent\$1) WITH (amphoteric or zwitterionic) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/23 14:23 |
| 9 | 3657 | amino\$1propionic ADJ acid\$1 or aminopropionate\$1 or coco\$1aminopropionate\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/23 14:22 |

| | | | | |
|----|--------|---|---|---------------------|
| 10 | 492786 | foam\$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/23 13:41 |
| 13 | 3 | (fractur\$3 SAME coal) and ((surfactant\$ or surface ADJ active ADJ agent\$1) SAME (amphoteric or zwitterionic)) and (amino\$1propionic ADJ acid\$1 or aminopropionate\$1 or coco\$1aminopropionate\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/23 13:42 |
| 14 | 3 | (fractur\$3 SAME coal) and ((surfactant\$ or surface ADJ active ADJ agent\$1) WITH (amphoteric or zwitterionic)) and (amino\$1propionic ADJ acid\$1 or aminopropionate\$1 or coco\$1aminopropionate\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/23 13:42 |
| 15 | 3 | (fractur\$3 SAME coal) and ((surfactant\$ or surface ADJ active ADJ agent\$1) SAME (amphoteric or zwitterionic)) and (amino\$1propionic ADJ acid\$1 or aminopropionate\$1 or coco\$1aminopropionate\$1) and foam\$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/23 13:43 |
| 16 | 3 | (fractur\$3 SAME coal) and ((surfactant\$ or surface ADJ active ADJ agent\$1) WITH (amphoteric or zwitterionic)) and (amino\$1propionic ADJ acid\$1 or aminopropionate\$1 or coco\$1aminopropionate\$1) and foam\$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/23 13:43 |
| 12 | 23 | (fractur\$3 SAME coal) and ((surfactant\$ or surface ADJ active ADJ agent\$1) WITH (amphoteric or zwitterionic)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/23 13:43 |
| 17 | 2 | ("6468945") or ("6410489").PN. | USPAT | 2004/08/23 13:54 |
| 18 | 0 | ("17and(7or8)").PN. | USPAT | 2004/08/23 13:53 |
| 19 | 77 | 17and (7or8) | USPAT | 2004/08/23 13:54 |
| 20 | 15977 | 17and (7or ((surfactant\$ or surface ADJ active ADJ agent\$1) WITH (amphoteric or zwitterionic))) | USPAT | 2004/08/23 13:54 |
| 22 | 29902 | ((surfactant\$ or surface ADJ active ADJ agent\$1) SAME (amphoteric or zwitterionic)) or ((surfactant\$ or surface ADJ active ADJ agent\$1) WITH (amphoteric or zwitterionic)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/23 13:55 |

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|----|-----|--|---|---------------------|
| 23 | 0 | ((("6468945") or ("6410489")).PN.) and (((surfactant\$ or surface ADJ active ADJ agent\$1) SAME (amphoteric or zwitterionic)) or ((surfactant\$ or surface ADJ active ADJ agent\$1) WITH (amphoteric or zwitterionic))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/23 13:56 |
| 24 | 1 | ("4453596" "4480696" "4544037" "4554082" "4591447" "4627495" "4756367" "4796702" "4883122" "4913237" "4993491" "4995463" "5014788" "5048328" "5147111" "5229017" "5360558" "5390741" "5402847" "5417286" "5419396" "5424285" "5470823" "5494108" "5501279" "5566760" "5575335" "5669444" "5711376" "5769165" "5853224" "5865248" "2003/0008781").PN.) and (fractur\$3 SAME coal) and (((surfactant\$ or surface ADJ active ADJ agent\$1) SAME (amphoteric or zwitterionic)) or ((surfactant\$ or surface ADJ active ADJ agent\$1) WITH (amphoteric or zwitterionic))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/23 13:57 |
| 21 | 2 | ("6468945") or ("6410489").PN. | USPAT | 2004/08/23 14:14 |
| 25 | 0 | (fractur\$3 SAME coal) and (((("6468945") or ("6410489")).PN.) | USPAT | 2004/08/23 14:14 |
| 11 | 23 | (fractur\$3 SAME coal) and ((surfactant\$ or surface ADJ active ADJ agent\$1) SAME (amphoteric or zwitterionic)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/23 14:14 |
| 26 | 458 | amino\$1propionic ADJ acid\$1 or aminopropionate\$1 or coco\$1aminopropionate\$1 | USOCR | 2004/08/23 14:22 |
| 27 | 537 | fractur\$3 SAME coal | USOCR | 2004/08/23 14:23 |
| 28 | 457 | (surfactant\$ or surface ADJ active ADJ agent\$1) WITH (amphoteric or zwitterionic) | USOCR | 2004/08/23 14:23 |
| 29 | 0 | (fractur\$3 SAME coal) and ((surfactant\$ or surface ADJ active ADJ agent\$1) WITH (amphoteric or zwitterionic)) | USOCR | 2004/08/23 14:23 |
| 30 | 0 | (fractur\$3 SAME coal) and (amino\$1propionic ADJ acid\$1 or aminopropionate\$1 or coco\$1aminopropionate\$1) | USOCR | 2004/08/23 14:23 |